

SAINT[®] is Hiring!



Software Security Engineer

SAINT is looking for experienced, self-motivated software engineers with expertise in security research, and developing vulnerability checks and remediation guidance.

Required Skills and Qualifications:

- C and PERL expertise in a Linux environment.
- MySQL or other database experience.
- Comfortable utilizing raw sockets to implement common application protocols (HTTP, SSL, FTP, DNS, SMB, LDAP, RPC, etc).
- Ability to reverse engineer proprietary network protocols using packet captures and implement agents based on findings. Familiar with common Application Layer content formats, such as HTML, XML, CSS, etc.
- Experience with modern web service technologies a plus – i.e., AJAX, SOAP RPC, JSON, RESTful architectures, etc.
- Technical understanding of basic software security pitfalls, such as stack overflows, heap overflows, null-pointer dereferences, SQL injection, cross site scripting, directory traversal, etc.

Required Education and Experience:

- Education: Bachelor Degree or equivalent experience.
- 2+ year of experience with Linux.
- 5+ year of experience with C and PERL.

Additional/Preferred Qualifications:

- Familiar with vulnerability exploitation techniques, such as NOP sleds, heap spraying, return-oriented programming, JIT spraying, etc.
- Static or run-time binary reverse engineering of client/server software.

Senior Security Research Engineer

SAINT is looking for self-motivated, experienced security software engineers with advanced technical skills in researching network and software-based vulnerabilities, and developing exploits and exploit tools to facilitate penetration testing.

Required Skills and Qualifications:

- C and PERL expertise in a Linux environment.
- MySQL or other database experience.
- Thorough understanding of modern Windows and Linux internals, including executable memory protection, heap allocation, virtual address space layout, stack protection, and safe exception handling.
- Familiar with x86 architecture and proficient in i386 assembly programming.
- Experience finding software bugs using run-time debuggers and static binary analysis.
- Able to identify exploitable software bugs against both local applications and network services.
- Ability to develop reliable exploits for vulnerable targets.

Required Education and Experience:

- Education: Bachelor Degree or equivalent experience.
- 2+ year of experience with Linux.
- 5+ year of experience with C and PERL.

Additional/Preferred Qualifications:

- Ruby and Python experience.
- MAC OSX, iOS, and Android experience.
- Experience with 64-bit platforms.
- Fuzzing experience.

Location: SAINT Corporation Headquarters, Bethesda, MD, A short walk from the Bethesda metro stop.

SAINT Corporation offers a comprehensive benefits package including a range of insurance options, retirement accounts, and educational assistance. SAINT also offers a competitive vacation schedule and paid parking.

Submit resumes to: resumes@saintcorporation.com

Visit: www.saintcorporation.com

Equal Opportunity Employer